



Pictured machine may include options and additional equipment.

Features

The Himec RM 905 T is a self propelled twin boom unit suitable for lifting and installing works and charging of explosives in tunnels. It consists of the new Normet Rigid Frame Carrier (=R) with M-series Cummins B4.5 Stage V 121 kW or Tier3 110 kW engine and NBB3 basket booms. 500 kg lifting load per basket and maximum 9.1 m platform height helps to reach up to 11.4 m high roofs. Two booms ensure lateral working reach of 16 m.

Twinboom is suitable for charging, bolting and installing works. Boom controls are in the basket and down on the carrier. Each boom can be operated independently allowing several holes to be charged safely at the same time. Large coverage allows the whole face to be charged from one setup.

Technical specification

2 x NBB3 BASKET BOOM

2-men basket	
Lifting capacity of basket	500 kg = 340 kg + 2 persons
Basket size	1.2 m x 1.8 m
Boom lift	-20°...+60°
Boom extension	4.0 m
Max. Lifting height (basket floor)	9.1 m
Max. Vertical reach	11 m
Boom slew	- 8°...+ 40°
Max. Lateral coverage	16 m
Diesel start/stop (from the basket)	
Battery operated emergency pump	

ENGINE

Liquid cooled turbo charged CUMMINS B4.5, 121kW/2500 rpm, Stage V approved
Requires DEF (urea) and ultra-low sulphur diesel (ULSD) (max sulphur content < 15 ppm)

TRANSMISSION

Hydrostatic 4-wheel transmission	
Variable piston pump	115 cm ³
Variable piston motor	160 cm ³
Separate stainless steel oil tank	110 L

AXLES

Planetary type	
Dana 223	
Rear end axle oscillation	+/- 8°
Boom end axle fixed	

TYRES

12.00 - 20

PERFORMANCE

Max. Horizontal speed (horizontal tunnel)	25 km/h
Max. speed in 1:7 inclined tunnel	8 km/h
Max. Tractive force	113 kN

BRAKES

Service brake; hydraulically powered two-circuit
Oil-immersed multi-disc brakes in both axles

Safety/Parking brake; spring-activated, hydraulically
Released, fail-safe-type brake. Brake test possibility in cabin

STEERING

Four-wheel steering as standard
Orbitrol type
Including crabwalk

FUEL TANK

Capacity	140 L
Stainless steel	

ADBLUE TANK

Capacity	19 L
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HYDRAULIC SYSTEM

Variable displacement pump system
190 bar, 95 L/min/2200 rpm
Hydraulic oil tank capacity 130 L
Return oil filtration 10 µm
Indication of level, filtration and temperature

24 VDC ELECTRICAL SYSTEM

Exposed components are min. IP65 standard Battery 2 x 80 Ah
Alternator 80 A
Wire harness (self extinguishing) with tinned wires and watertight conduits
LED driving lights

- Front end LED lights 2 x 1300 lm
- Rear end LED lights 2 x 1300 lm

LED directional lights on front and rear side
LED working lights

- 4pcs on cabin
- 2pcs on carrier

DRIVER'S COMPARTMENT

Open cabin, FOPS/ROPS
Suspended driver's seat
Seat with retractable lap seat belt
Cabin door interlock switch with safety brake application
MID 070 S Multifunctional Display with:

- Meters; e.g. speed, RPM, operating hours
- Status indicators; e.g. fluid levels, temperatures, pressures, alarms, faults

MACHINE CONNECTIVITY

Machine connectivity hardware (WLAN/3G/4G/LTE)

GREASING SYSTEM

Centralized grease fittings for the carrier

OTHER

12 kg hand held fire extinguisher
Standard symbol labels
Hydraulic front support legs
Hydraulic rear support legs

Optional equipment

ENGINE

Liquid cooled turbo charged CUMMINS QSB4.5,
110kW/2300 rpm, TIER 3 approved

- Exhaust system: Catalytic exhaust gas purifier and muffler

MACHINE CONNECTIVITY

- Data lifetime license (Include connectivity hardware)
- Analytics lifetime license
(Include connectivity hardware and data lifetime license)

DRIVER'S CABIN

Enclosed cabin, FOPS/ROPS
HVAC system

OTHER

Warning lights, 1 unit:

- Rotating beacon; red
- Rotating beacon; blue

Additional equipment

HIGH VOLTAGE SYSTEM

400V/50Hz power pack
690V/50Hz power pack
1000V/50Hz power pack

COMPRESSOR

2.6 m³/min hydraulic driven compressor

FOR ENCLOSED CABIN

CD/Radio system

FOR NBB BASKET BOOM

Safety bar

Safety bar with hydraulic lift:

Reduces lifting capacity 60 kg

Safety roof with hydraulic lift:

Reduces lifting capacity 100 kg

Safety roof with hydraulic lift and slide:

Reduces lifting capacity 200 kg

LED working lights on safety roof (2 pcs) 73 W

FIRE SUPPRESSION SYSTEM

Fogmaker: Manually actuated

Fogmaker: Automatically actuated

Ansul: Manually actuated

Ansul: Automatically actuated

GREASING SYSTEM

Automatic lubrication system for carrier and lifter: Lincoln

OTHER

Fast fuel filling system: Wiggins

Oil evacuation kit with sample points

Extra hand held fire extinguisher (12 kg)

Warning lights, 1 unit:

- Rotating beacon; amber
- Rotating beacon; red
- Rotating beacon; blue
- Strobe light; white

Text labels in: Fin / En / Por / Swe / Rus / Nor / Ger / Fra /
Spa / Ita

Toolbox and maintenance tools

2 wheel chocks with brackets

Reversing camera

Spare wheel

Service

OPERATIONAL SPARE PARTS

A complete parts package to ensure your machine runs with optimal uptime.

After commissioning of your new Normet equipment, the following maintenance & critical spares are typically recommended to support and service your machine:

- Filters, belts
- Sensors, work lights, solenoid coils and fuses
- Sliding parts, bearings, cylinders, seals & pins
- Hoses including concrete, charging & hydraulic
- Nozzles & tips
- TamCrete EasyClean - nontoxic protective agent
- Pistons and seal kits
- Guide rollers and bushes

Note: The usage and consumption of parts may vary depending on the operating environment.

EXTENDED WARRANTY

Standard Normet equipment warranty is 2000 operation hours or 12 months (whichever is reached first). Extended warranty for your Normet equipment can be provided with service agreement- conditions apply.

TRAINING AND EXPERTISE SERVICES

Need training before your machine goes into service or any stage during its working life? The Normet Academy and our highly skilled technicians can provide all your expert training needs including...

Product training:

Operation and Maintenance
Automation -NorSmart/Nordoser
Electric, hydraulic and mechanical fundamentals
Trouble-shooting and fault finding

Process & operator improvement audit for:

Concrete spraying - practical or simulated
Charging
Scaling - practical or simulated

Audit services to improve:

Equipment performance, machine availability, safety & quality.

SERVICE AGREEMENTS

Parts supply
Periodic fleet inspection
Preventative maintenance
Maintenance Supervision
Fleet availability

ELECTRONIC MANUALS

LinkOne electronic spare parts and instruction manuals

EQUIPMENT - COMMISSIONING & START UP SERVICES

Operator Training

- Class room training
- Practical training

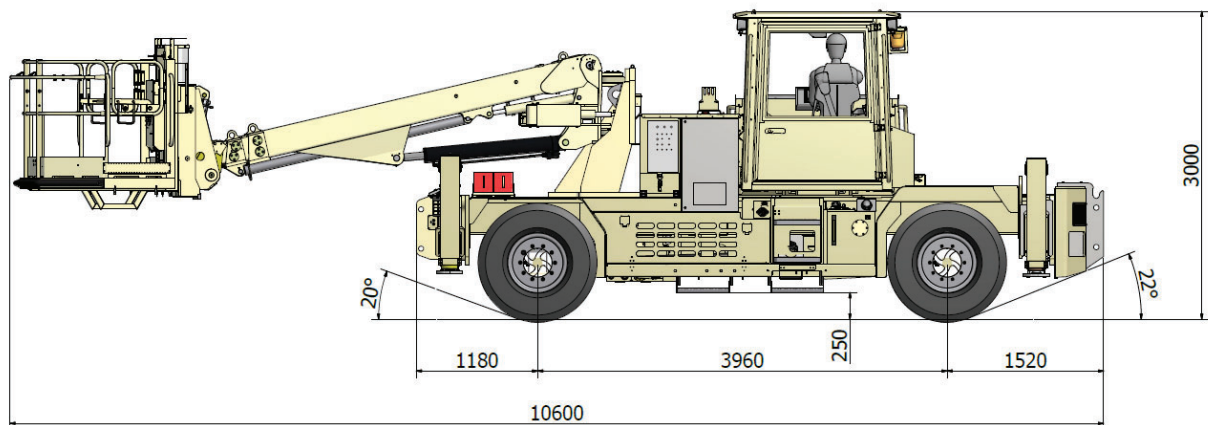
Maintenance & Repair Training

- Class room training
- Practical training

Commissioning

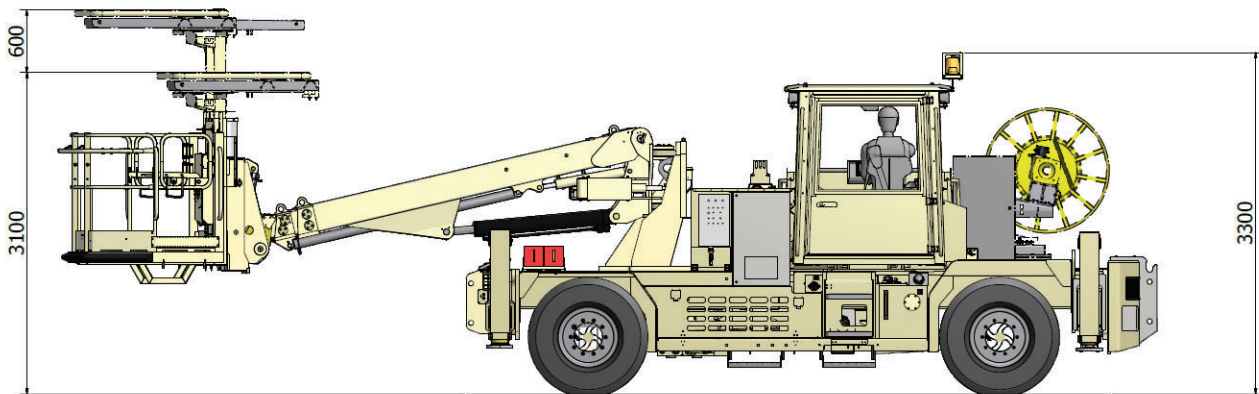
- Receiving inspection

Dimensions



SIDE VIEW

Basic machine



SIDE VIEW

Machine with options and additional equipment

DIMENSIONS

Length	10600 mm
Width	4250 mm
Height	3000 mm
Wheel base	3960 mm
Track	1650 mm

TURNING RADIUS

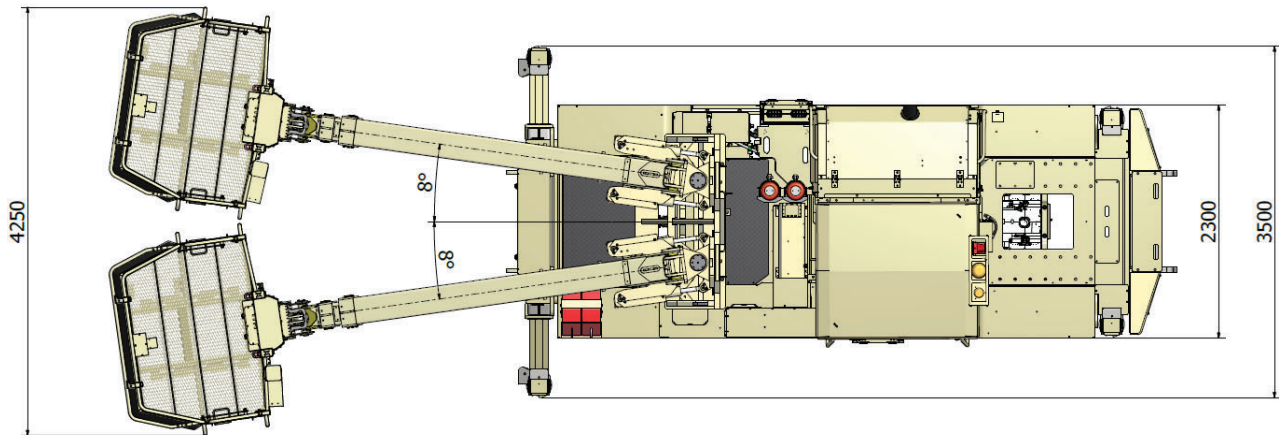
Outer	9630
Inner	3980

WEIGHT

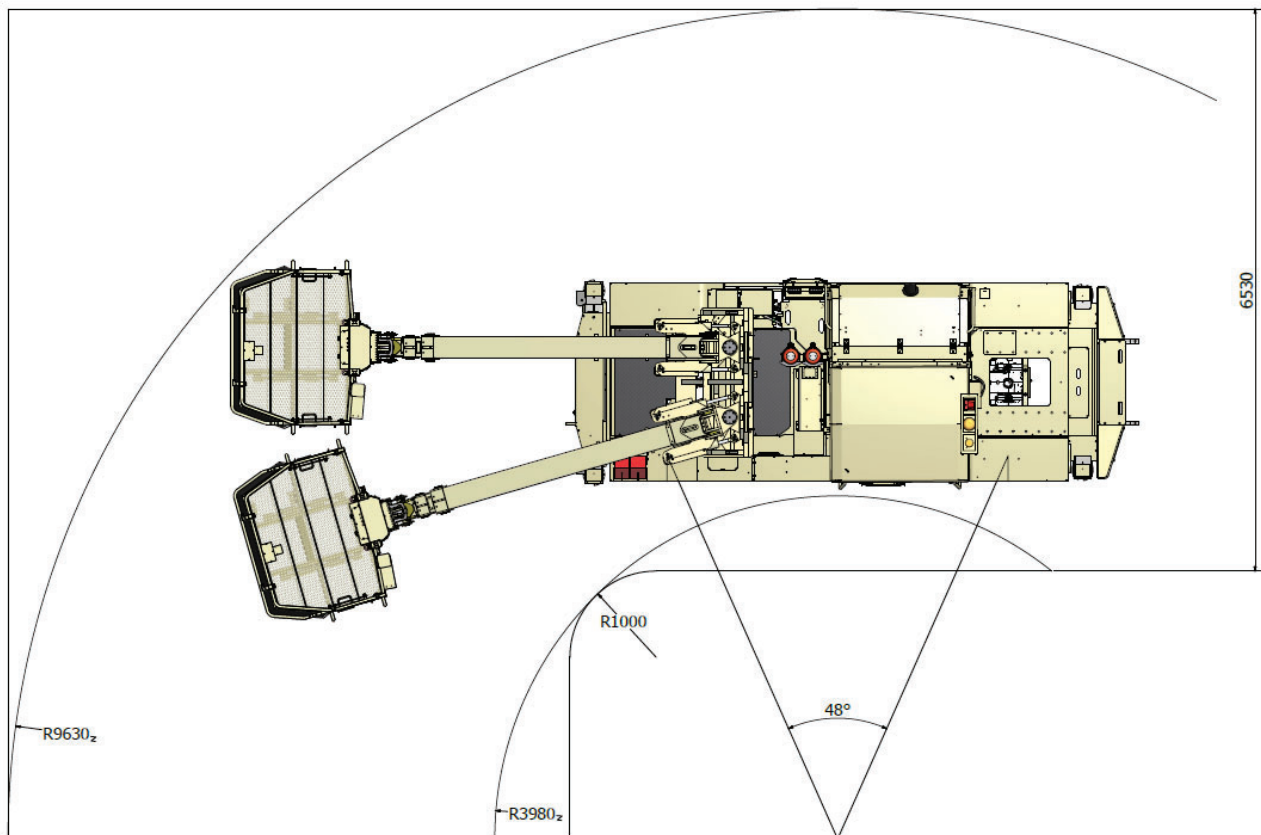
Operating	20 000 kg
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Normet reserves the right to change this specification without further notice.

Dimensions



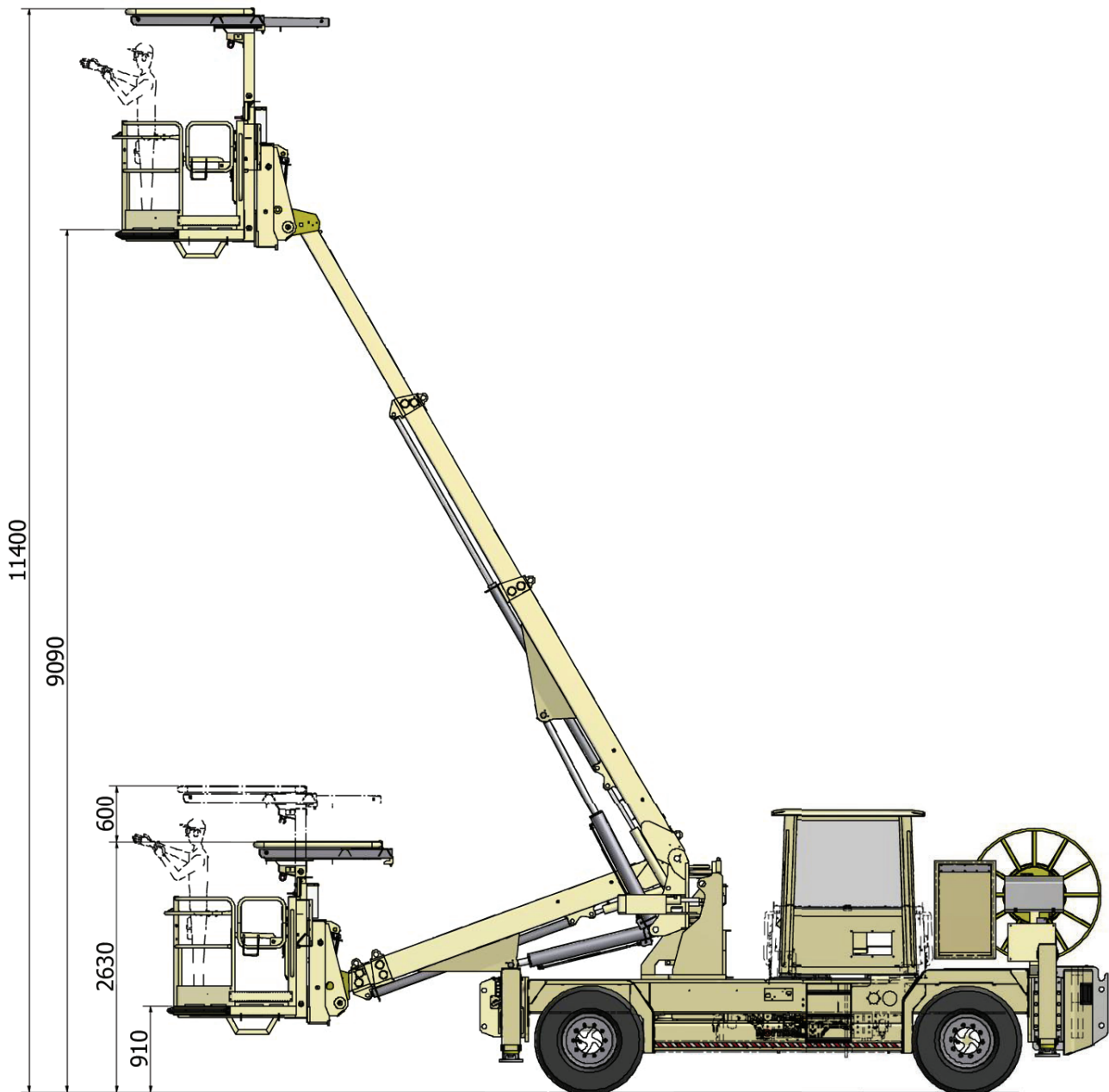
TOP VIEW



TURNING RADIUS

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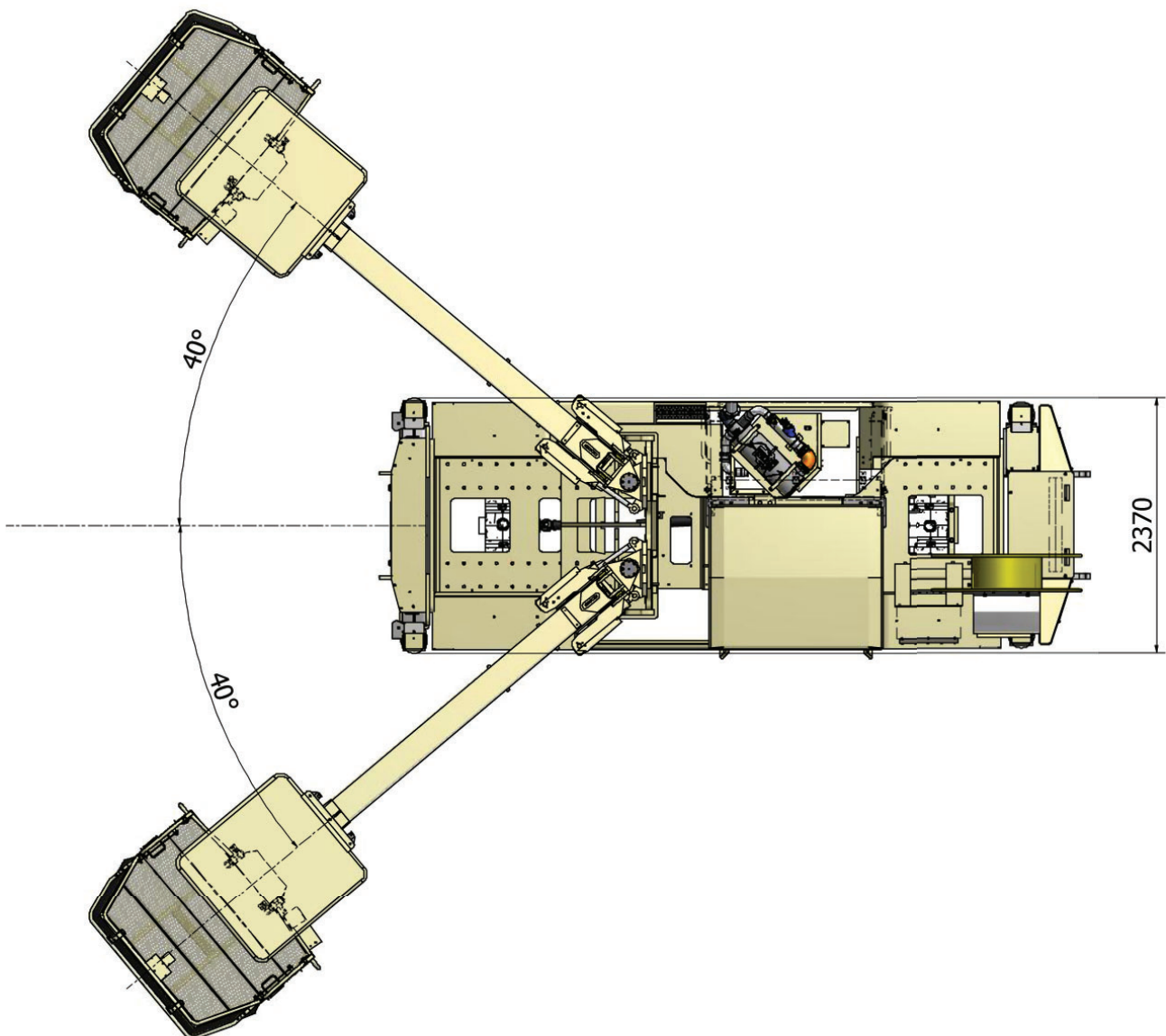
Dimensions



BOOM MOVEMENTS

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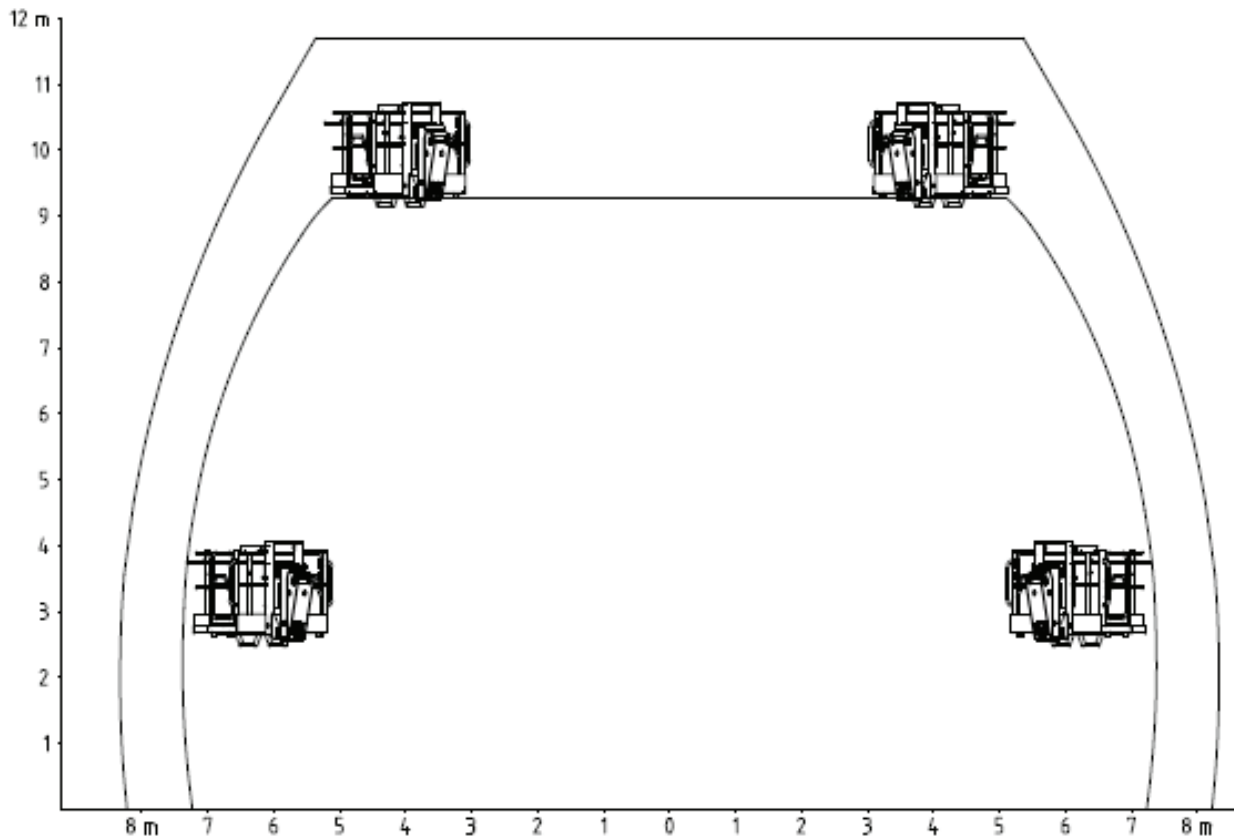
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BOOM MOVEMENTS

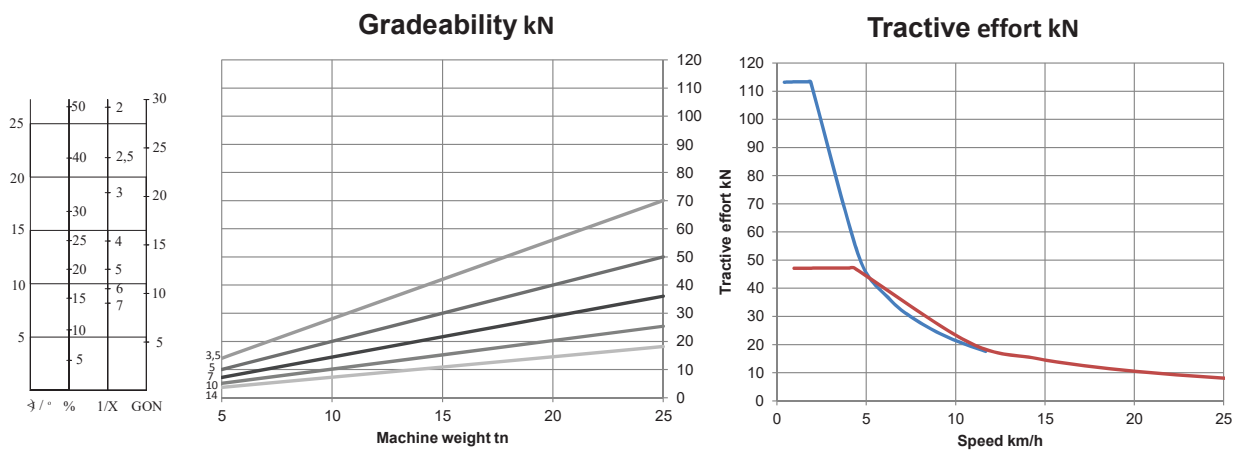
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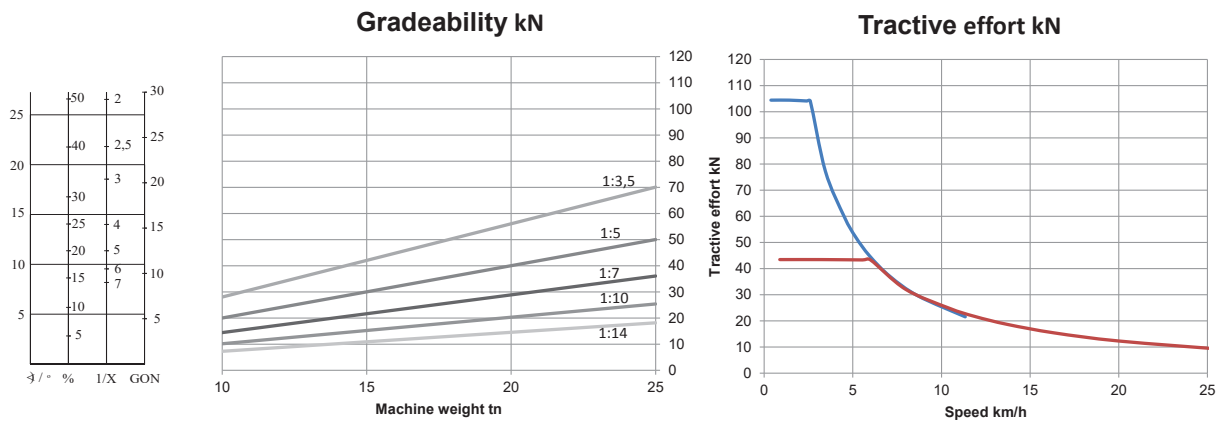


BOOM REACH

Tractive efforts



CUMMINS B4.5 121kW Stage V Performance curve



CUMMINS QSF4.5 110kW Tier3 Performance curve